

# OCTAL DS1 IMA

## TOTAL ACCESS® DSLAM OCTAL DS1 IMA ACCESS MODULE

The Total Access Octal DS1 IMA Access Module is designed to interface with the Total Access DS3 Cell Switch Module (CSM). Each of the eight ports provide DS1 interfaces. These can be used to connect the shelf to an upstream ATM element or to a DS1 IMA unit of a subtended shelf.

The eight (8) ATM DS1s correspond to the eight port interfaces on the line card. The Octal DS1 IMA automatically swaps from the online to the offline multiplexer, if one fails or is physically removed. Each of the eight ports have a single balanced twisted pair for each direction of transmission.

User access to the Octal DS1 IMA Module is through the SCU via the system bus of the Total Access DSLAM backplane. The unit retains provisioning data in a nonvolatile memory device for recovery after a power loss and supports optional autoprovisioning through the SCU.

The module detects CRC errors, Bipolar Violations, and frame bit errors in the loop side receiver. These are used to calculate Errored Seconds, Severely Errored Seconds and Unavailable Seconds in accordance with ANSI T1.231-1997.

The Octal DS1 IMA card is capable of both short and long haul signals. The interface can be configured for the standard DS1 signal (0 to 22.5 db) or for DSX-1 measured from 0 to 655 feet.

## PRODUCT FEATURES

- Software configurable via menu access or SNMP
- Supports from one to eight DS1 line interfaces
- Supports standard T1 MIB 1406 for alarm states
- Supports extended NUB protocol for NTU management
- Supports up to four IMA groups
- DS1 or DSX-1 signal

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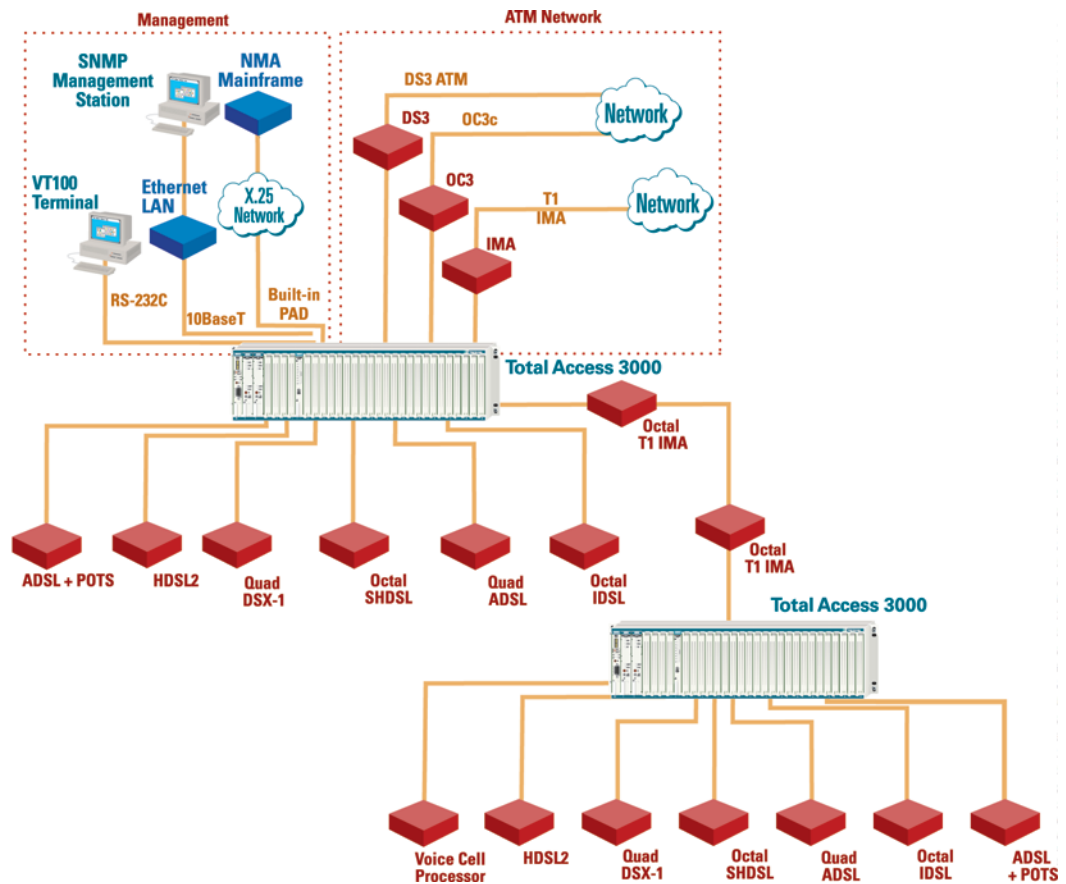
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## Product Specifications

### FACEPLATE FEATURES

#### Indicators

- Power LED
- 8 DSL T1 Port indicators

### MECHANICAL

- **Dimensions:** 5.20 in. H x 1.320 in. W x 10 in. D
- **Weight:** Less than 1 lb.
- **Mounting:** Occupies two access module slots in the Total Access 3000 or 3010 chassis

### INTERFACES

- **Network Interface:** ATM upstream through the Cell Switch Module
- **Subscriber Interface:** DSX-1, Robbed Bit Signaling and DS1

### ELECTRICAL

- **Power Requirements:** -42 VDC to -56 VDC input range

### REGULATORY STANDARDS

- NEBS Level 3
- GR-1089-CORE
- UL 1950

### MANAGEMENT

- Craft interface, SNMP, TL1

### ENVIRONMENTAL

- **Operating:** -40°C to + 65°C
- **Storage:** -40°C to + 85°C
- **Relative Humidity:** Up to 95 percent, nocondensing

## Ordering Information

### EQUIPMENT

### PART #

Total Access 3000 Octal DS1 IMA.....1181409L1

Specifications subject to change without notice.



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